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SIWAVE Data Hub

Open data exchange platform for traffic and transportation

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One-stop shop for transportation data

A data-driven future enabled by an open data sharing platform

Sharing data using state-of-the-art cloud technologies

The SIWAVE Data Hub gives cities a cloud-based platform that enables the sharing of traffic and transportation data with partners, suppliers, academia and existing systems through modern open Application Programming Interfaces (APIs) that can be managed based on the city's requirements.

Data management made easy for transportation agencies

The platform provides a user-friendly interface for transportation managers to configure who can access a city's data available in the Data Hub. The Operations console also gives city staff a way to monitor data usage with interactive, real-time graphs.



Real-time API usage

Leverage existing data to create new applications

The SIWAVE Data Hub gives cities a fundamental step in enabling cities to create a real ecosystem that can leverage existing data from various systems and assets by simplifying a way on how data can be shared. Data can be taken from on-premise and cloud-based solutions, which can be used by the city or by authorized partners for research, development, troubleshooting, analysis, performance metrics and new use cases that solve practical transportation problems.

A flexible platform focused at transportation data sets

With scalability, robustness and security as part of the core platform design, the SIWAVE Data Hub can host any type of data including Automated Traffic Signal Performance Measures (ATSPM or SPM), traffic controller configuration data, Connected Vehicles, V2X, incident and safety, events, weather and other types of data sources thanks to its extensible cloud-based architecture.

Benefits to traffic and transportation agencies

- **Open data exchange** helps aid performance metrics and research, allowing cities to share their own data with private sector partners, academia and to other systems to enhance transportation and traffic operations
- **Scalable and secure** platform, the SIWAVE Data Hub can host any type of data with security by design to allow cities to manage what data to be shared and who with they will share it with securely
- **API usage insights** will help cities better understand and manage data usage trends

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